

What is claimed is:

1. An automatic tablet dispensing and packaging system,
comprising:
 - 5 a) a prescription tablet packaging unit;
 - b) a frame having a front top surface and a rear
top surface, wherein the packaging unit is
incorporated within the frame, wherein a base
plate is formed on the frame rear top surface
10 to form slide rails on top of the base plate;
 - c) a tablet dropping unit having door cabinets and
slider cabinets, wherein the door cabinets are
disposed on the frame front top surface and
linearly aligned to become swiveled to each
15 side portion of the tablet dropping unit to
serve as a front double door of the table
dropping unit, wherein the slider cabinets are
slidably mounted on the base plate and
horizontally aligned in rear of the door
20 cabinets such that each longer side surface of
the slider cabinets becomes perpendicular to
each rear surface of the door cabinets, wherein
the slider cabinets are linearly slidable on
the slide rails to move back and forth so that
25 the forward sliding (toward the door cabinet)
of the slider cabinets can be effected when the

door cabinets are swung open, whereby the slider cabinets are selectively pulled out through a space reserved by opening the door cabinets;

- 5 d) a plurality of tablet cassettes each containing therein and selectively releasing therefrom a predetermined type of tablets, wherein the tablet cassettes are detachably racked in said each cabinet in columns and rows;
- 10 e) a front hopper formed into the tablet packaging unit to communicate through the frame front top surface so as to guide the tablets released from the front cabinets to the packaging unit; and
- 15 f) rear hoppers formed in rear of the front hopper and into the tablet packaging unit to communicate through the frame rear top surface and the base plate so as to guide the tablets released from the slider cabinets to the
- 20 packaging unit, wherein the rear hoppers correspond to the slider cabinets in number, wherein said each rear hopper is detachably mounted in the base plate and the frame rear top surface, wherein a bottom line of said each
- 25 rear hopper is substantially unlevelled to minimize rebounding of the released tablets.

2. The system of claim 1 further comprising a main
hopper below the front and rear hoppers to
collectively guide the tablets to the tablet
5 packaging unit.
3. The system of claim 1 wherein the installed rear
hoppers are each substantially rectangular when
viewed atop.
- 10 4. The system of claim 1 wherein the installed front
and rear hoppers are each substantially rectangular
when viewed atop.
- 15 5. The system of claim 1 wherein the tablet packaging
unit comprises:
- a) a printer to print respective information on a
packaging paper; and
 - b) a heater assembly to package the tablets
20 released through the hoppers into one or more
partitioned paper bags using the packaging
paper.
6. The system of claim 5 wherein the heating assembly
25 includes heating rollers to consecutively seal the
packaging paper to the tablet containing paper bags.

7. The system of claim 1 wherein the slider cabinets are partitioned in at least three pairs to enable a pair-by-pair sliding.

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8. The system of claim 1 wherein said each cabinet comprises a plurality of tablet passage channels to enable communication from the tablet cassettes to the hoppers, wherein the tablet passage channels are correspondingly aligned with the tablet cassette columns to facilitate guiding the tablets from the tablet cassettes to the hoppers.

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9. An automatic tablet dispensing and packaging system, comprising:

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- a) a prescription tablet packaging unit;
- b) a frame having a front top surface and a rear top surface, wherein the packaging unit is incorporated within the frame, wherein a base plate is formed on the frame rear top surface to form slide rails on top of the base plate;
- c) a tablet dropping unit having door cabinets and slider cabinets, wherein the door cabinets are disposed on the frame front top surface and linearly aligned to become swiveled to each side portion of the tablet dropping unit to

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serve as a front double door of the table
dropping unit, wherein the slider cabinets are
slidably mounted on the base plate and
horizontally aligned in rear of the door
cabinets such that each longer side surface of
the slider cabinets becomes perpendicular to
each rear surface of the door cabinets, wherein
the slider cabinets are linearly slidable on
the slide rails to move back and forth so that
the forward sliding (toward the door cabinet)
of the slider cabinets can be effected when the
door cabinets are swung open, whereby the
slider cabinets are selectively pulled out
through a space reserved by opening the door
cabinets;

- d) a plurality of tablet cassettes each containing
therein and selectively releasing therefrom a
predetermined type of tablets, wherein the
tablet cassettes are detachably racked in said
each cabinet in columns and rows, wherein the
selectively released tablets are to pass
through tablet passage channels correspondingly
aligned with the tablet cassette columns;
- e) a front hopper formed into the tablet packaging
unit to communicate through the frame front top

- surface so as to guide the tablets released
from the front cabinets to the packaging unit;
- f) rear hoppers formed in rear of the front hopper
and into the tablet packaging unit to
communicate through the frame rear top surface
and the base plate so as to guide the tablets
released from the slider cabinets to the
packaging unit, wherein the rear hoppers
correspond to the slider cabinets in number,
wherein said each rear hopper is detachably
mounted in the base plate and the frame rear
top surface, wherein a bottom line of said each
rear hopper is substantially unlevelled to
minimize rebounding of the released tablets;
and
- g) one or more buffer sheets partially inserted in
and along a lower and inner periphery of said
each tablet passage channel communicating with
the corresponding hopper so as to minimize
kinetic force of the tablets being dropped via
the corresponding channel.

10. The system of claim 9 wherein the buffer sheets are
substantially elastic against the periphery of said
each tablet passage channel.

11. The system of claim 9 wherein the buffer sheets are substantially unlevelled.

12. The system of claim 9 wherein the buffer sheets are substantially unlevelled and elastic against the periphery of said each tablet passage channel.

13. The system of claim 9 wherein the buffer sheets are downwardly unlevelled.

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14. The system of claim 9 wherein the buffer sheets are downwardly unlevelled and substantially elastic against the periphery of said each tablet passage channel.

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15. The system of claim 9 further comprising a main hopper below the front and rear hoppers to collectively guide the tablets to the tablet packaging unit.

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16. The system of claim 9 wherein the installed rear hoppers are each substantially rectangular when viewed atop.

17. The system of claim 9 wherein the installed front and rear hoppers are each substantially rectangular when viewed atop.
- 5 18. The system of claim 9 wherein the tablet packaging unit comprises:
- a) a printer to print respective information on a packaging paper; and
 - b) a heater assembly to package the tablets
- 10 released through the hoppers into one or more partitioned paper bags using the packaging paper.
19. The system of claim 18 wherein the heating assembly
- 15 includes heating rollers to consecutively seal the packaging paper to the tablet containing paper bags.
20. The system of claim 9 wherein the slider cabinets are partitioned in at least three pairs to enable a
- 20 pair-by-pair sliding.